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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Felsch, et al.
Serial No. : 10/029,009
Filed : December 19, 2001
Title : AFFINITY SELECTION-BASED SCREENING OF HYDROPHOBIC PROTEINS

Art Unit : Unknown
Examiner : Unknown

Commissioner for Patents
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050, referencing attorney docket number 10845-033001.

Respectfully submitted,

Date:

December 11, 2003

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10845-033001	Application No. 10/029,009
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Felsch, et al.	
		Filing Date December 19, 2001	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,543,297	08/06/96	Cromlish, et al.			
	AB	5,856,496	01/05/99	Fagnola, et al.			
	AC	5,919,955	07/06/99	Fancelli, et al.			
	AD	5,962,337	10/05/99	Ohlmeyer			
	AE	6,017,768	01/25/00	Baldwin, et al.			
	AF	6,020,141	02/01/00	Pantoliano, et al.			
	AG	6,025,371	02/15/00	Gordeev, et al.			
	AH	6,114,309	09/05/00	Allanson, et al.			
	AI	6,147,344	11/14/00	Annis, et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AJ	WO 97/01755	01/16/97	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AK	Barnett, et al., "Purification, Characterization and Selective Inhibition of Human Prostaglandin G/H Synthase 1 and 2 Expressed in the Baculovirus System," <i>Biochimica et Biophysica Acta</i> , Vol. 1209: 130-139 (1994).
	AL	Bieri, et al., "Micropatterned Immobilization of a G Protein-Coupled Receptor and Direct Detection of G Protein Activation," <i>Nature Biotechnology</i> , Vol. 17: pp. 1105-1108 (1999).
	AM	Chen, et al., "Use of Constitutive G Protein-Coupled Receptor Activity for Drug Discovery," <i>Molecular Pharmacology</i> , Vol. 57:125-134 (2000).
	AN	Cserzo, et al., "Prediction of Transmembrane α -helices in Prokaryotic Membrane Proteins: the Dense Alignment Surface Method," <i>Protein Engineering</i> , Vol. 10:673-676 (1997).
	AO	Fearnley, et al., "Analysis of Hydrophobic Proteins and Peptides by Electrospray Ionization MS," <i>Biochemical Society Transactions</i> , Vol. 24:912-917 (1996).
	AP	Horn, et al., "GPCRDB: An Information System for G Protein-Coupled Receptors," <i>Nucleic Acids Research</i> , Vol. 26:275-279 (1998).
	AQ	Jayawickreme, et al., "Gene Expression Systems in the Development of High-Throughput Screens," <i>Current Opinion in Biotechnology</i> , Vol. 8:629-634 (1997).
	AR	Jordan et al., "G-Protein-Coupled Receptor Heterodimerization Modulates Receptor Function," <i>Nature</i> , Vol. 399: pp. 697-700 (1999).
	AS	Kobilka, B.K., "Amino and Carboxyl Terminal Modifications to Facilitate the Production and Purification of a G Protein-Coupled Receptor," <i>Analytical Biochemistry</i> , Vol. 231:269-271 (1995).

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Other Documents (include Author, Title, Date, and Place of Publication)

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	AT	Konecny et al., "Manual Microcolumn Chromatography for Sample Cleanup Before Mass Spectrometry," <i>Biotechniques</i> , Vol. 22:244-250 (1997).
	AU	Kretzschmar, et al., "High-Level Expression in Insect Cells and Purification of Secreted Monomeric Single-Chain Fv Antibodies," <i>Journal of Immunological Methods</i> , Vol. 195:93-101 (1996).
	AV	LaBella, et al., "Progesterone Derivatives that Bind to the Digitalis Receptor: Effects on Na ⁺ , K ⁺ -ATPase and Isolated Tissues," <i>Federation Proceedings</i> , Vol. 44:2806-2811 (1985).
	AW	Loo, et al., "Surfactant Effects on Protein Structure Examined by Electrospray Ionization Mass Spectrometry," <i>Protein Science</i> , Vol. 3:1975-1983 (1994).
	AX	Mere, et al., "Miniaturized FRET Assays and Microfluidics: Key Components for Ultra-High-Throughput Screening," <i>Drug Discovery Today</i> , Vol. 4:363-369 (1999).
	AY	Rosinke, et al., "Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry (MALDI-MS) of Membrane Proteins and Non-Covalent Complexes," <i>Journal of Mass Spectrometry</i> , Vol. 30:1462-1468 (1995).
	AZ	Schaeffer, et al., "Use of Bioluminescent Aequorin for the Pharmacological Characterization of 5HT Receptors," <i>J. of Receptor & Signal Transduction Research</i> , Vol. 19: pp. 927-938 (1999).
	AAA	Schmid, et al., "Screening Ligands for Membrane Protein Receptors by Total Internal Reflection Fluorescence: The 5-HT ₃ Serotonin Receptor," <i>Analytical Chemistry</i> , Vol. 70:1331-1338 (1998).
	ABB	Sklar, et al., "Solubilization and Display of G Protein-Coupled Receptors on Beads for Real-Time Fluorescence and Flow Cytometric Analysis," <i>Biotechniques</i> Vol. 28:976-985 (2000).
	ACC	Song et al., "Synthesis, Structure-Activity Relationships, and in Vivo Evaluations of Substituted Di-tert-butylphenols as a Novel Class of Potent, Selective, and Orally Active Cyclooxygenase-2 Inhibitors. 1. Thiazolone and Oxazolone Series," <i>J. Med. Chem.</i> Vol. 42:1151-1160 (1999).
	ADD	Sonnhammer, et al., "A Hidden Markov Model for Predicting Transmembrane Helices in Protein Sequences," <i>Proceedings Of the Sixth International Conference On Intelligent Systems for Molecular Biology (ISMB98)</i> , pp. 175-182 (1998).
	AEE	Tessier, et al., "Enhanced Secretion from Insect Cells of a Foreign Protein Fused to the Honeybee Melittin Signal Peptide," <i>Gene</i> Vol. 98:177-183 (1991).
	AFF	Tusnady, et al. "Principles Governing Amino Acid Composition of Integral Membrane Proteins: Application to Topology Prediction," <i>J. Mol. Biol.</i> , Vol. 283:489-506, (1998).
	AGG	Verhoeven, et al., "Antigenic Drift Between the Haemagglutinin of the Hong Kong Influenza Strains A/Aichi/2/68 and A/Victoria/3/75," <i>Nature</i> , Vol. 286:771-776 (1980).
	AHH	von Heijne, G., "Membrane Protein Structure Prediction Hydrophobicity Analysis and the Positive-Inside Rule," <i>J. Mol. Biol.</i> , Vol. 225:487-494 (1992).

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